

Missouri Department of Natural Resources



PUBLIC NOTICE

DRAFT MISSOURI STATE OPERATING PERMIT

DATE: September 22, 2006

In accordance with the state Clean Water Law, Chapter 644, RSMo, Clean Water Commission regulation 10 CSR 20-6.010, and the federal Clean Water Act, the applicants listed herein have applied for authorization to either discharge to waters of the state or to operate a no-discharge wastewater treatment facility. The proposed permits for these operations are consistent with applicable water quality standards, effluent standards and/or treatment requirements or suitable timetables to meet these requirements (see 10 CSR 20-7.015 and 7.031). All permits will be issued for a period of five years, unless noted otherwise in the Public Notice for that discharge.

On the basis of preliminary staff review and the application of applicable standards and regulations, the Missouri Department of Natural Resources (MDNR), as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions. The proposed determinations are tentative pending public comment.

Persons wishing to comment on the proposed permit conditions are invited to submit them in writing to the Department of Natural Resources, St. Louis Regional Office, 7545 S. Lindbergh, Suite 210, St. Louis, MO 63125, ATTN: Thomas M. Siegel, Chief, Permits and Engineering. **Please include the permit number in all comment letters.**

Comments should be confined to the issues relating to the proposed action and permit(s) and the effect on water quality. The MDNR may not consider as relevant comments or objections to a permit based on issues outside the authority of the Clean Water Commission, (see Curdt v. Mo. Clean Water Commission, 586 S.W.2d 58 Mo. App. 1979).

All comments must be postmarked by **October 22, 2006** or received in our office by 5:00 p.m. on **October 25, 2006**. The requirement of a signed document makes it impossible to accept email comments for consideration at this time. Comments will be considered in the formulation of all final determinations regarding the applications. If response to this notice indicates significant public interest, a public meeting or hearing may be held after due notice for the purpose of receiving public comment on the proposed permit or determination. Public hearings and/or issuance of the permit will be conducted or processed according to 10 CSR 20-6.020.

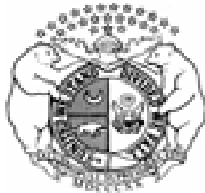
Copies of all draft permits and other information including copies of applicable regulations are available for inspection and copying at DNR's website, <http://www.dnr.mo.gov/env/wpp/index.html>, or at the Department of Natural Resources, Water Protection Program, P.O. Box 176, Jefferson City, Missouri 65102, between the hours of 8:00 a.m. and 5:00 p.m., Monday through Friday.

Public Notice Date: September 22, 2006
Permit Number: MO-0001341
St. Louis Regional Office

FACILITY NAME AND ADDRESS	NAME AND ADDRESS OF OWNER
Reichhold, Inc. 249 St. Louis Avenue Valley Park, MO 63088	Reichhold, Inc. 2400 Ellis Road Durham, NC 27703
RECEIVING STREAM & LEGAL DESCRIPTION	TYPE OF DISCHARGE
Tributary to Meramec River, Sec. 17, T44N, R5E, St. Louis County	Industrial, reissuance

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0001341

Owner: Reichhold, Inc.
Address: 2400 Ellis road, Durham, NC 27703

Continuing Authority: Same as above
Address: Same as above

Facility Name: Reichhold, Inc.
Facility Address: 249 St. Louis Avenue, Valley Park, MO 63088

Legal Description: SW ¼, NW ¼, SW ¼, Sec. 17, T44N, R5E, St. Louis County
Latitude/Longitude: 001: 3833008/-09029154 002: 3832590/-0902918

Receiving Stream: Tributary to Meramec River (U)
First Classified Stream and ID: Meramec River (P)(02183)
USGS Basin & Sub-watershed No.: (07140102-080003)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfall #001 - Industry - SIC #2821
Non-contact cooling water/boiler blowdown/cooling tower blowdown/softener-demineralizer regeneration/storm water runoff.

Actual flow is 0.083 MGD.

Outfall #002 - Industry - SIC #2821
Storm water runoff retention basin.

Actual flow is 0.007 MGD.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

Effective Date

Doyle Childers, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

Expiration Date
MO 780-0041 (10-93)

Mike Struckhoff, Director, St. Louis Regional Office

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 2 of 4	
					PERMIT NUMBER MO-0001341	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001</u>						
Flow	MGD	*		*	once/weekday**	24 hr total
Biochemical Oxygen Demand ₅	mg/L	45		30	once/month	24 hr comp
Biochemical Oxygen Demand ₅	lbs/day	37		25	once/month	24 hr comp
Total Suspended Solids	mg/L	45		30	once/month	24 hr comp
Total Suspended Solids	lbs/day	37		25	once/month	24 hr comp
Phenols	mg/L	0.363		0.242	once/month	24 hr comp
Phenols	lbs/day	0.3		0.2	once/month	24 hr comp
Temperature	°F	90°			once/month	grab
pH - Units	SU	***		***	once/month	grab
Ammonia Nitrogen	Mg/L	*		*	once/month	grab
<u>Outfall #002</u>						
Flow	MGD	*		*	once/weekday**	24 hr total
Biochemical Oxygen Demand ₅	mg/L	45		30	once/month	grab
Total Suspended Solids	mg/L	45		30	once/month	grab
Phenols	mg/L	*		*	once/month	grab
ph - Units	SU	****		****	once/month	grab
Oil & Grease	mg/L	15		10	once/month	grab
Ammonia Nitrogen	mg/L	*		*	once/month	grab
MONITORING REPORTS SHALL BE SUBMITTED <u>Quarterly</u> ; THE FIRST REPORT IS DUE _____. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Part I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

MO 780-0010 (8/91)

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** Once each weekday means: Monday, Tuesday, Wednesday, Thursday & Friday.
- *** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.
- **** pH is measured in pH units and is not to be averaged. The pH is to be maintained at or above 6.0 pH units.

C. SPECIAL CONDITIONS

1. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.
2. All outfalls must be clearly marked in the field.
3. Permittee will cease discharge by connection to areawide wastewater treatment system within 90 days of notice of its availability.
4. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 ug/L);
 - (2) Two hundred micrograms per liter (200 ug/L) for acetone and acrylonitrile; five hundred micrograms per liter (500 ug/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
 - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
5. Report as no-discharge when a discharge does not occur during the report period.
 6. Water Quality Standards
 - (a) Discharges to waters of the state shall not cause a violation of water quality standards rule under 10 CSR 20-7.031, including both specific and general criteria.
 - (b) General Criteria. The following general water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (1) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (2) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (3) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (4) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (5) There shall be no significant human health hazard from incidental contact with the water;
 - (6) There shall be no acute toxicity to livestock or wildlife watering;
 - (7) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (8) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.

Date of Fact Sheet: August 31, 2006

Date of Public Notice: September 22, 2006

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT
FACT SHEET

This Fact Sheet explains the applicable regulations and rationale for development of this permit and the public participation process.

NPDES PERMIT NUMBER: MO-0001341

FACILITY NAME: Reichhold, Inc.

OWNER NAME: Reichhold, Inc.

LOCATION: Valley Park, MO

RECEIVING STREAM: Tributary to Meramec River

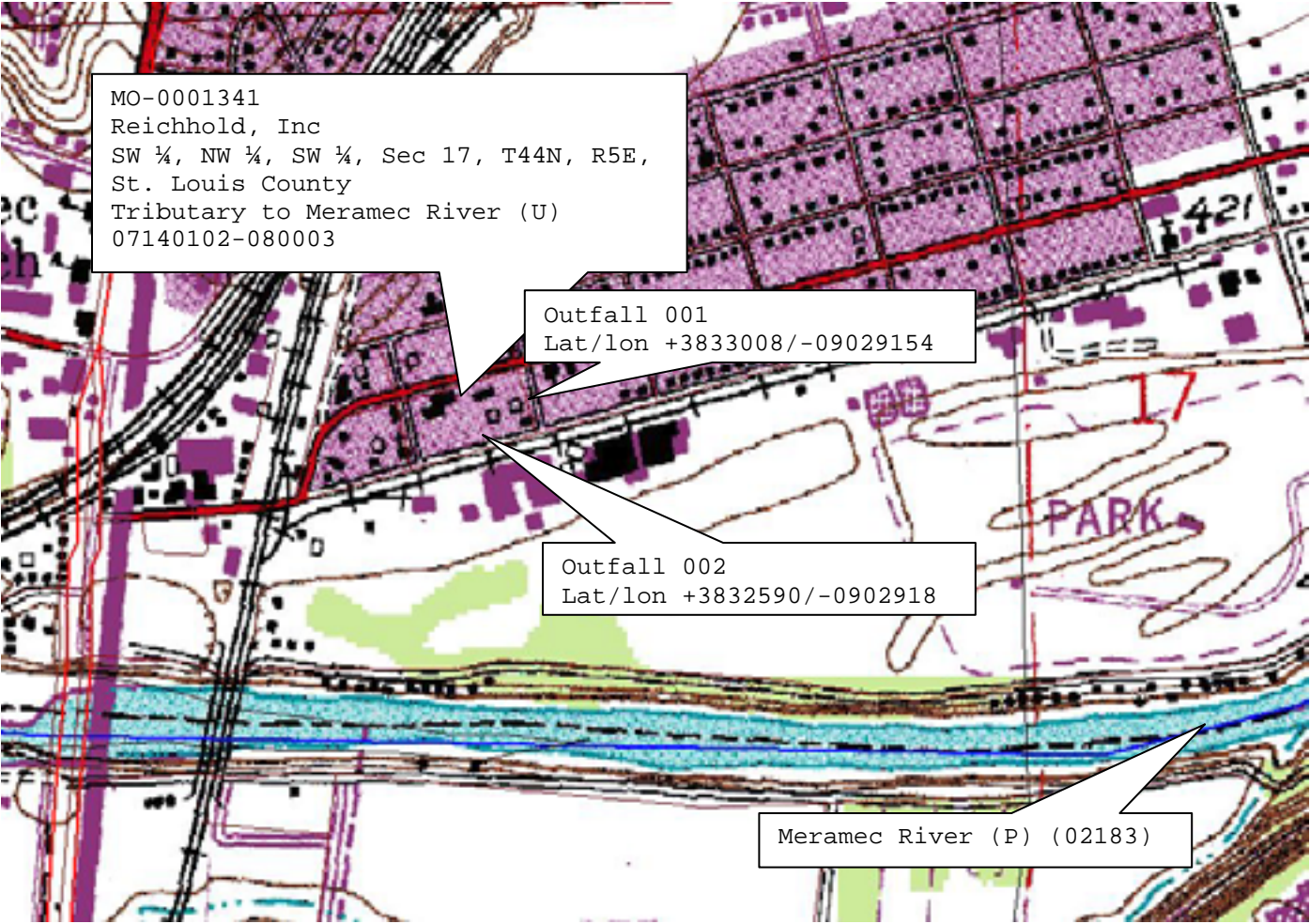
FACILITY CONTACT PERSON: Kent Schmidt TEL (636)225-5226 ext 41

FACILITY DESCRIPTION AND RATIONALE

Reichhold Inc. manufactures protective and decorative synthetic liquid resins used by their customers as coatings. The SIC code is 2821. The first permit was issued by EPA in 1974 (#MO.0001341). The first DNR permit was 1/27/75. This facility has two outfalls 001, non-contact cooling water, boiler blowdown, water softener demineralizer, and stormwater runoff, and outfall 002 which is only stormwater runoff. Raw materials used at this site are Butyl acetate, Butylamine, Ethylene Diamine, Triethylamine, and xylene. Styrene is used as a lab chemical. These operations produce an estimated average daily flow of 83,040 gallons (outfall 001) and 7,025 gallons (outfall 002). These numbers were determined based on the discharge monitoring reports submitted over the past two years. The plant discharges untreated water into a stormsewer tributary to the Meramec River.

The effluent limitations for BOD, TSS, and pH are consistent with those found in the regulation for the receiving waterbody, 10 CSR 20-7.015(8)(G), "these facilities shall meet the applicable control technology currently effective as published by the EPA in 40 CFR 405-471. Where there are no standards available or applicable, the department shall set specific parameter limitations using best professional judgement." The existing permit contains acceptable water quality limits for BOD, TSS, pH and temperature. These had previously been set based on 10 CSR 20-7.015, effluent regulations. Although ammonia monitoring had been waived in previous permits, changes to Missouri's Water Quality Standards [10 CSR 20-7.031] were published in the Missouri Code of State Regulations on November 30, 2005. As a result of this monitoring for ammonia is being included in this public notice to determine whether "reasonable potential" to exceed state water quality standards exists. There is a drinking water intake just downstream of this facility. In order to protect the drinking water use of the Meramec River, the phenol limit from the previous permit is being retained.

(A formal water quality review was not conducted.)
This permit will be issued for a period of five years.

An aerial photograph of a river area with several callout boxes. The river is shown in blue and green, flowing horizontally across the lower half of the image. Above the river, there are purple and black rectangular shapes representing buildings or structures. A red line runs diagonally across the upper part of the image. A callout box in the top left corner contains text about a specific location. Two other callout boxes point to specific locations along the riverbank. A fourth callout box points to the river itself. The word 'PARK' is visible in purple text on the right side of the image.

MO-0001341
Reichhold, Inc
SW ¼, NW ¼, SW ¼, Sec 17, T44N, R5E,
St. Louis County
Tributary to Meramec River (U)
07140102-080003

Outfall 001
Lat/lon +3833008/-09029154

Outfall 002
Lat/lon +3832590/-0902918

Meramec River (P) (02183)